PCISA-C3/EDEN

VIA® Processor CPU Board with 10/100Mb LAN & VGA

March 30, 2006

Quick Startup Reference

Version 2.0

● Specifications

- ✓ **VIA® C3 EBGA packing (FSB: Supports 100/133MHz)**

- ✓ **Bus**: PICMG Bus (Support PCI Master x 4)

- ✓ **DMA channels**: 7

- ✓ **Interrupt levels**: 15

- ✓ **Chipset**: VIA® VT8601A (Integrated 2D / 3D graphics accelerator.) & VT82C686B

- ✓ **RAM memory**:
  - One 168-pin DIMM sockets.
  - Maximum memory is 512MB.

- ✓ **Ultra ATA/33/66/100 IDE Interface**: Two PCI Enhance IDE hard drives. The south bridge VT82C686B supports Ultra ATA/33/66/100 IDE interface.

- ✓ **Floppy disk drive interface**: Supports 2.88 MB, 1.44MB, 1.2MB, 720KB, or 360KB floppy disk drive.

- ✓ **Two high speed serial ports**: NS16C550 compatible UART's

- ✓ **Bi-directional parallel port**: IEEE1284 compatible

- ✓ **IrDA port:** Supports Serial Infrared (SIR) and Amplitude Shift Keyed IR (ASKIR) interface.

- ✓ **USB port:** Equipped with four USB ports for future expansion.

- ✓ **Intel 82559 or REALTEK RTL8100 Fast Ethernet Multifunction PCI Controller:**
  - IEEE 802.3u Auto-Negotiation support for 10BASE-T/100BASE-TX standard.
  - Fast back-to-back transmission support with minimum interface spacing.
  - Connected to your LAN via RJ45 connector.
- ✓ **Keyboard connector & PS/2 Mouse Port on-board**

- ✓ **Power Consumption:** +5VSB @ 180mA, +5V @ 3.8A, +12V @ 170mA (C3-800MHz with 512MB SDRAM x 2, Windows2000)

- ✓ **Operating Temperature**: 0° ~ 55° C (CPU needs Cooler)

- **Package Contents**

  Before you begin installing the product, please check the following materials are included in the package:

  ✓ PCISA-C3/EDEN SERIES Single Board Computer x1
  ✓ IDE HDD Cable x 1
  ✓ FDD Cable x 1
  ✓ RS-232/Print Cable x 1
  ✓ Y Cable x 1
  ✓ Audio Cable x 1
  ✓ RS-422/485 Cable x 1
  ✓ Companion CD (for user manual, drivers…etc.) x 1
  ✓ Quick Startup Reference x 1

  If any of these items are missing or damaged, contact your distributor or sales representative immediately.
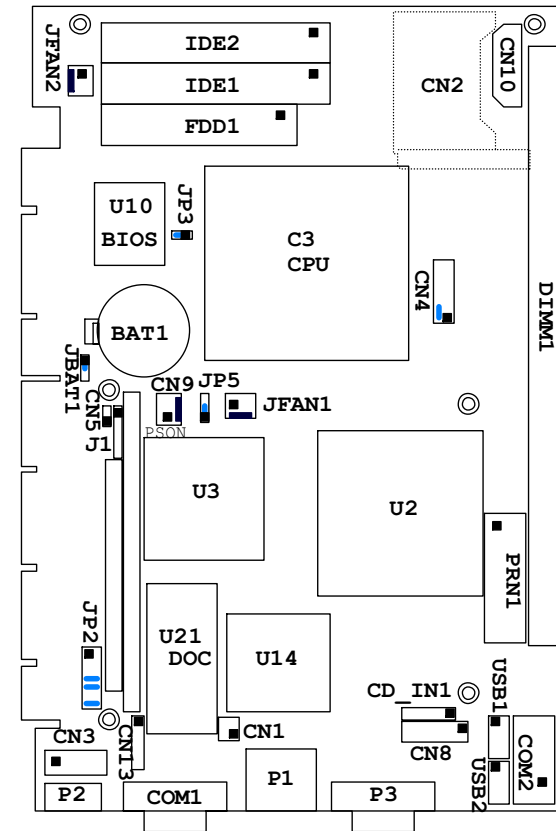
• Connection

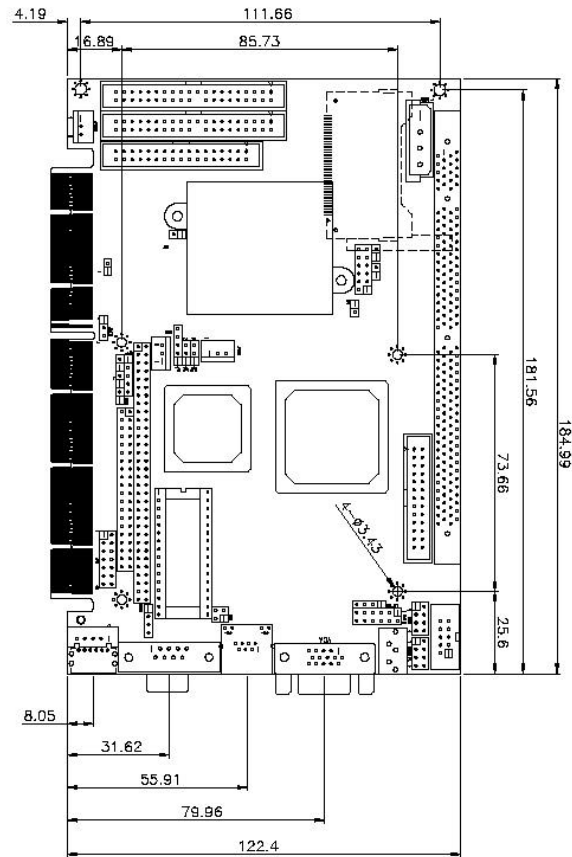| LABEL	FUNCTION
FDD1	FDC CONNECTOR
IDE1 / IDE2	IDE Interface Connector
PRN1	Parallel Port Connector
USB1 /USB2	4 ports USB Connector
CN5	2 Pin Power Button Switch
COM1 / COM2	Serial Port 10-pin Connector
P2	6-pin DIN Keyboard/Mouse Connector
CN3	5-pin External Keyboard Connector
J1	IrDA connector
JFAN1 / JFAN2	CPU / SYS. Fan Connector
P3	15-pin Female Connector
CN10	4-pin Connector
CN4	External Switches and Indicators
CN9	PS-ON Connector
P1	LAN1 RJ45 Connector (10/100)
CN1	External LED Connector
CN2	Compact Flash Storage Card Socket pin assignment
CN8	Audio Connector
CD_IN1	Audio Connector
CN13	RS422/485 Connectors

Support

For any questions regarding the product or documentation, please email us at:

support@iei.com.tw.

• Layout

● Dimensions

● Jumper Setting

✓ **JBAT1: Clear CMOS Setup**

JBAT1	DESCRIPTION
1-2 (default)*	Keep CMOS Setup (Normal Operation)
Short 2-3	Clear CMOS Setup

✓ **JP3: Master/Slave Mode Setting**

JP3	DESCRIPTION
SHORT *	MASTER
OPEN	SLAVE

✓ **CN4 (2-4): Enabled/Disabled Onboard Buzzer Function**

2 - 4	DESCRIPTION
SHORT *	Enabled
OPEN	Disabled

✓ **JP2: DiskOnChip Memory Address Settings**

ADDRESS	1-2	3-4	5-6	7-8	9-10	11-12	13-14
CC000	OPEN	OPEN	CLOSE	OPEN	OPEN	CLOSE	CLOSE
CE000	OPEN	OPEN	OPEN	CLOSE	OPEN	CLOSE	CLOSE
D0000	CLOSE	OPEN	OPEN	OPEN	CLOSE	OPEN	CLOSE
D2000	OPEN	CLOSE	OPEN	OPEN	CLOSE	OPEN	CLOSE
D4000	OPEN	OPEN	CLOSE	OPEN	CLOSE	OPEN	CLOSE
D6000	OPEN	OPEN	OPEN	CLOSE	CLOSE	OPEN	CLOSE
D8000	CLOSE	OPEN	OPEN	OPEN	OPEN	OPEN	CLOSE
DA000	OPEN	CLOSE	OPEN	OPEN	OPEN	OPEN	CLOSE
DC000	OPEN	OPEN	CLOSE	OPEN	OPEN	OPEN	CLOSE
DE000	OPEN	OPEN	OPEN	CLOSE	OPEN	OPEN	CLOSE

✓ **JP5: COM2 RS232 or RS422/485 Selection**

JP5	DESCRIPTION
1-2 Short	RS232
2-3 Short	RS422/485

Caution: *If RS422/485 is in use, the COM2 on the main board would be disable.*